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NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JUL 02	LMEDLINE coverage updated
NEWS 3	JUL 02	SCISEARCH enhanced with complete author names
NEWS 4	JUL 02	CHEMCATS accession numbers revised
NEWS 5	JUL 02	CA/CAplus enhanced with utility model patents from China
NEWS 6	JUL 16	CAplus enhanced with French and German abstracts
NEWS 7	JUL 18	CA/CAplus patent coverage enhanced
NEWS 8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 9	JUL 30	USGENE now available on STN
NEWS 10	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS 11	AUG 06	FSTA enhanced with new thesaurus edition
NEWS 12	AUG 13	CA/CAplus enhanced with additional kind codes for granted patents
NEWS 13	AUG 20	CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 14	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 15	AUG 27	USPATOLD now available on STN
NEWS 16	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 17	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 18	SEP 13	FORIS renamed to SOFIS
NEWS 19	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS 20	SEP 17	CA/CAplus enhanced with printed CA page images from 1967-1998
NEWS 21	SEP 17	CAplus coverage extended to include traditional medicine patents
NEWS 22	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 23	OCT 02	CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 24	OCT 19	BEILSTEIN updated with new compounds

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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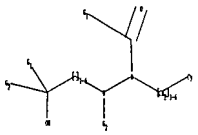

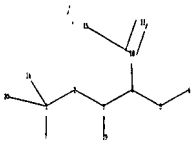

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1 2 3 4 5 6 7 10 11 15 16 19 20
chain bonds :
1-2 1-7 1-16 1-20 2-3 3-4 3-19 4-5 4-10 5-6 10-11 10-15
exact/norm bonds :
1-7 1-16 1-20 2-3 3-4 3-19 4-10 5-6 10-11 10-15
exact bonds :
1-2 4-5

G1:H,Cy,Ak

G2:H,Ak

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:Atom 7:CLASS 10:CLASS
11:CLASS 15:CLASS 16:CLASS 19:CLASS 20:CLASS

L1 STRUCTURE UPLOADED

=> s l1
SAMPLE SEARCH INITIATED 13:02:15 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 580 TO ITERATE

100.0% PROCESSED 580 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 10156 TO 13044
PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> s l1 ful
FULL SEARCH INITIATED 13:02:24 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 12233 TO ITERATE

100.0% PROCESSED 12233 ITERATIONS 28 ANSWERS
SEARCH TIME: 00.00.01

L3 28 SEA SSS FUL L1

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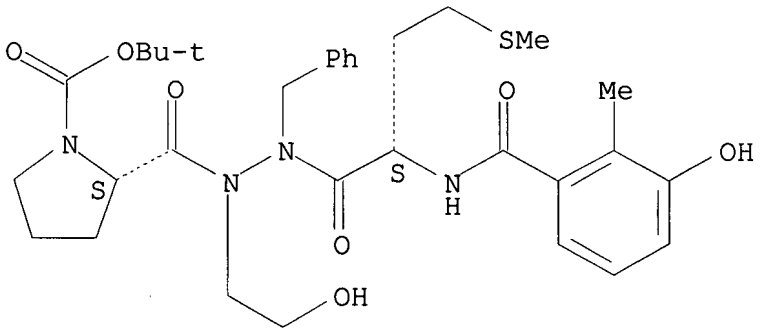
=> s l3
L4 4 L3

=> d l4 ibib abs hitstr hitind 1-4

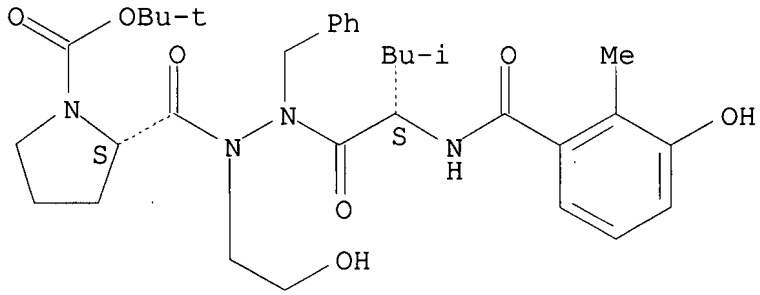
L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:411090 CAPLUS
DOCUMENT NUMBER: 143:97618
TITLE: HIV protease inhibitors: synthesis and activity of N-aryl-N'-hydroxyalkyl hydrazide pseudopeptides
AUTHOR(S): Marastoni, M.; Baldisserotto, A.; Trapella, C.; McDonald, J.; Bortolotti, F.; Tomatis, R.
CORPORATE SOURCE: Department of Pharmaceutical Sciences and Biotechnology Center, University of Ferrara, Ferrara, I-44100, Italy
SOURCE: European Journal of Medicinal Chemistry (2005), 40(5), 445-451
CODEN: EJMCA5; ISSN: 0223-5234
PUBLISHER: Elsevier Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 143:97618
AB We describe the synthesis by solution peptide coupling, N-acylation, and N-alkylation and activities of a series of pseudopeptides containing an N-aryl-N'-hydroxyalkyl hydrazide core structure to inhibit human immunodeficiency virus protease and viral replication. Of the series, compound Hmb-Leu-N(CH2Ph)-N(CH2-CH-OH)-rPro-Boc (Hmb = 3-hydroxy-2-methylbenzoyl, rPro = proline residue in the opposite direction, Boc = tert-butoxycarbonyl) displayed the greatest inhibitory potency (IC50 < 1 μM) and exhibited enzymic resistance and stability in vitro.
IT 856667-69-1P 856667-73-7P 856667-77-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(synthesis and activity of arylhydroxyalkyl hydrazide pseudopeptides as HIV protease and viral replication inhibitors)
RN 856667-69-1 CAPLUS
CN 1,2-Pyrrolidinedicarboxylic acid, 1-(1,1-dimethylethyl) ester, 2-[1-(2-hydroxyethyl)-2-[(2S)-2-[(3-hydroxy-2-methylbenzoyl)amino]-4-(methylthio)-1-oxobutyl]-2-(phenylmethyl)hydrazide], (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



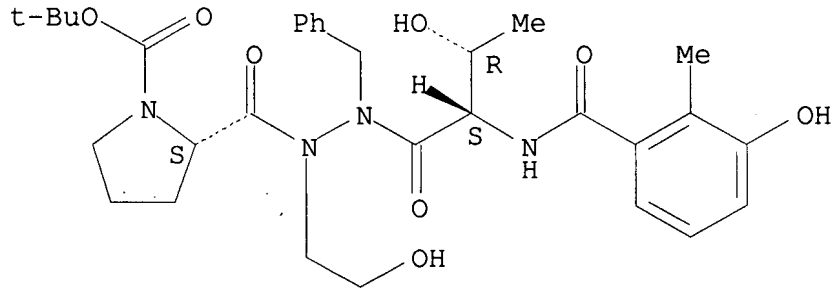
RN 856667-73-7 CAPLUS
CN 1,2-Pyrrolidinedicarboxylic acid, 1-(1,1-dimethylethyl) ester, 2-[1-(2-hydroxyethyl)-2-[(2S)-2-[(3-hydroxy-2-methylbenzoyl)amino]-4-methyl-1-oxopentyl]-2-(phenylmethyl)hydrazide], (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 856667-77-1 CAPLUS
CN 1,2-Pyrrolidinedicarboxylic acid, 1-(1,1-dimethylethyl) ester, 2-[1-(2-hydroxyethyl)-2-[(2S,3R)-3-hydroxy-2-[(3-hydroxy-2-methylbenzoyl)amino]-1-oxobutyl]-2-(phenylmethyl)hydrazide], (2S)- (9CI)
(CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



CC 34-3 (Amino Acids, Peptides, and Proteins)
Section cross-reference(s): 1, 7
IT 856667-69-1P 856667-71-5P 856667-72-6P 856667-73-7P
856667-76-0P 856667-77-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(synthesis and activity of arylhydroxyalkyl hydrazide pseudopeptides as
HIV protease and viral replication inhibitors)
REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:120872 CAPLUS
DOCUMENT NUMBER: 142:219049
TITLE: Preparation of benzoic acid derivatives having hydrazide moiety as prostaglandin receptors modulators
INVENTOR(S): Araldi, Gian Luca; Liao, Yihua; Brugger, Nadia
PATENT ASSIGNEE(S): Applied Research Systems Ars Holding N.V., Neth.
SOURCE: PCT Int. Appl., 73 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005012232	A2	20050210	WO 2004-EP51531	20040716
WO 2005012232	A3	20050331		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004261397	A1	20050210	AU 2004-261397	20040716
CA 2529123	A1	20050210	CA 2004-2529123	20040716
EP 1654219	A2	20060510	EP 2004-785978	20040716
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
JP 2006528154	T	20061214	JP 2006-520831	20040716

NO 2006000739	A	20060331	NO 2006-739		20060215
US 2007185191	A1	20070809	US 2006-564974		20060711
PRIORITY APPLN. INFO.:			US 2003-488614P	P	20030718
			WO 2004-EP51531	W	20040716

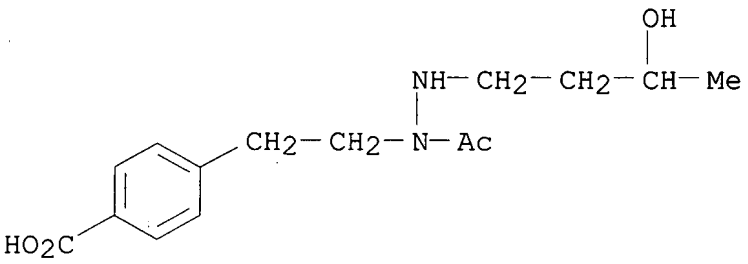
OTHER SOURCE(S): CASREACT 142:219049; MARPAT 142:219049
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [A = cycloalkyl, heterocycloalkyl, heteroaryl, etc.; B = alkylene, alkenylene; alkynylene; R1 = H, alkyl, alkenyl, etc.; R2, R3 = H, alkyl, alkenyl, etc.; R4 = H, alkyl; R5 = H, alkyl, alkenyl, etc.; n = 1-6] and their pharmaceutically acceptable salts were prepared For example, Michael addition of the hydrazino compound II to compound III followed by reduction with NaBH4, hydrolysis using NaOH afforded compound IV. In prostaglandin EP2 binding assays, the Ki value of compound IV was 4.21 μM. Compds. I are claimed useful for the treatment of asthma, hypertension, etc.

IT 841234-41-1P 841234-42-2P 841234-43-3P
841234-44-4P 841234-45-5P 841234-46-6P
841234-47-7P 841234-49-9P 841234-50-2P
841234-51-3P 841234-52-4P 841234-53-5P
841234-54-6P 841234-55-7P 841234-56-8P
841234-57-9P 841234-58-0P 841234-59-1P
841234-60-4P 841234-61-5P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of benzoic acid derivs. having hydrazide moiety as prostaglandin receptors modulators for treatment of asthma, hypertension, etc.)

RN 841234-41-1 CAPLUS
CN Benzoic acid, 4-[2-[1-acetyl-2-(3-hydroxybutyl)hydrazino]ethyl]- (9CI) (CA INDEX NAME)



RN 841234-42-2 CAPLUS
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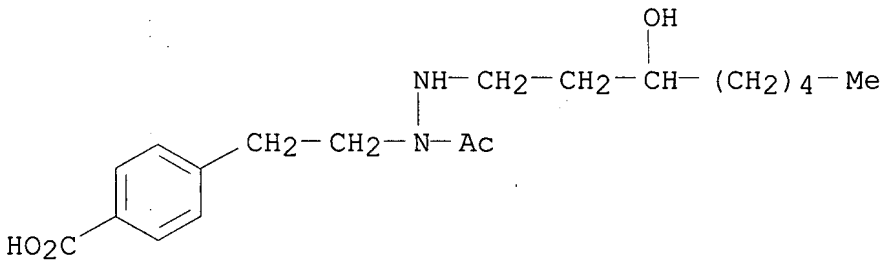

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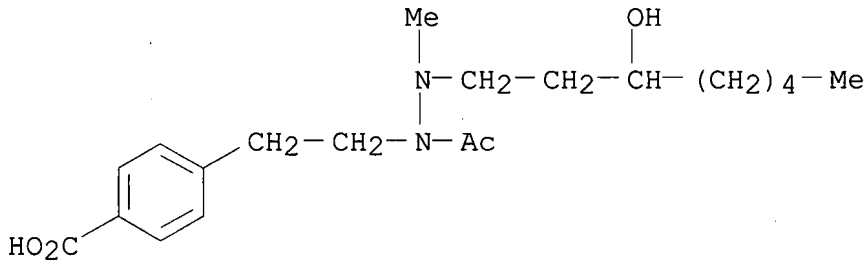

RN 841234-44-4 CAPLUS
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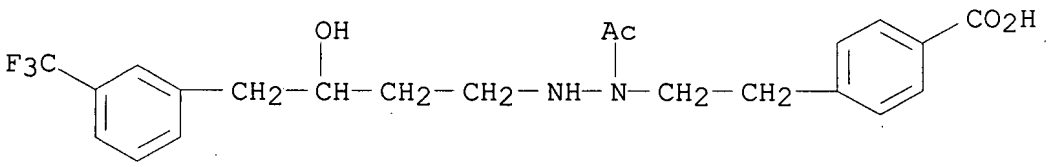

RN 841234-45-5 CAPLUS
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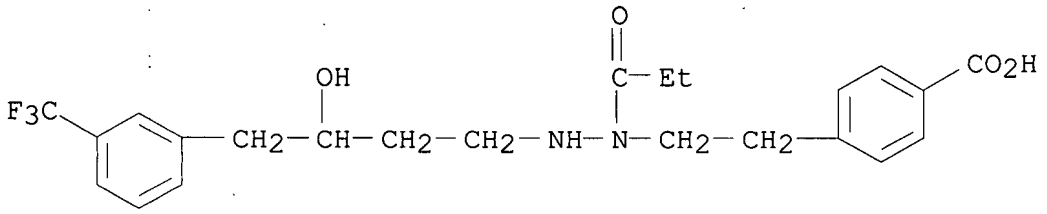
4-[2-[2-[3-hydroxy-4-[3-(trifluoromethyl)phenyl]butyl]-1-(1-oxopropyl)hydrazino]ethyl]- (9CI) (CA INDEX NAME)



RN 841234-46-6 CAPLUS
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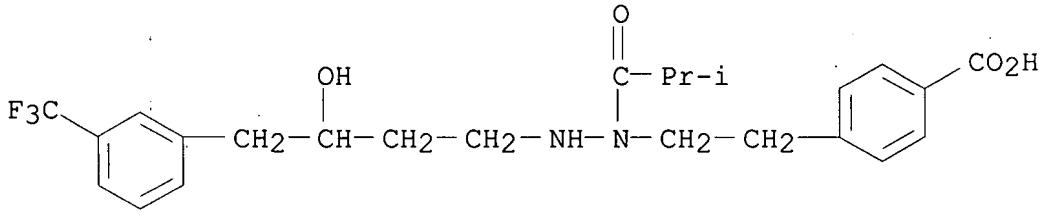

RN 841234-47-7 CAPLUS
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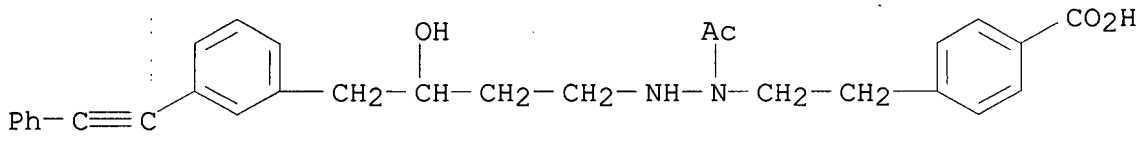

RN 841234-49-9 CAPLUS
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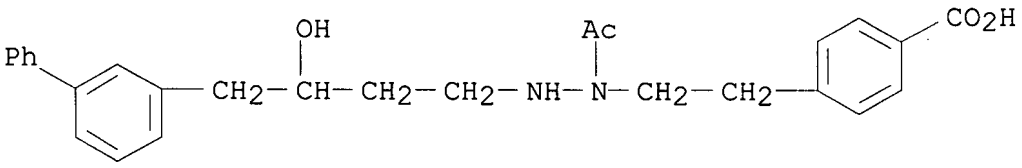

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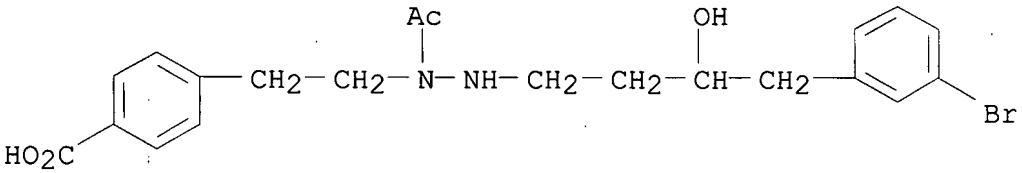

RN 841234-51-3 CAPLUS
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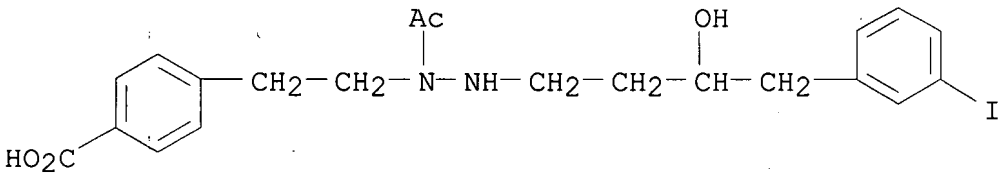

RN 841234-52-4 CAPLUS
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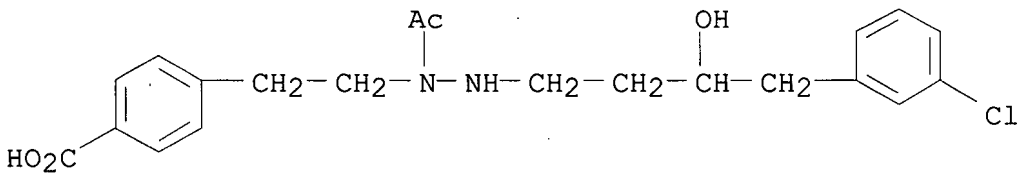
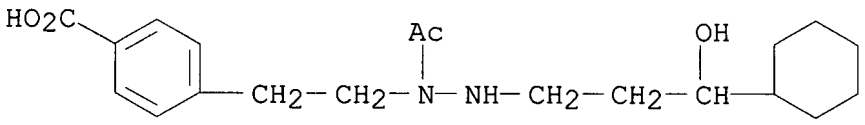


RN 841234-53-5 CAPLUS
CN Benzoic acid, 4-[2-[1-acetyl-2-(3-cyclohexyl-3-hydroxypropyl)hydrazino]ethyl]- (9CI) (CA INDEX NAME)



RN 841234-54-6 CAPLUS
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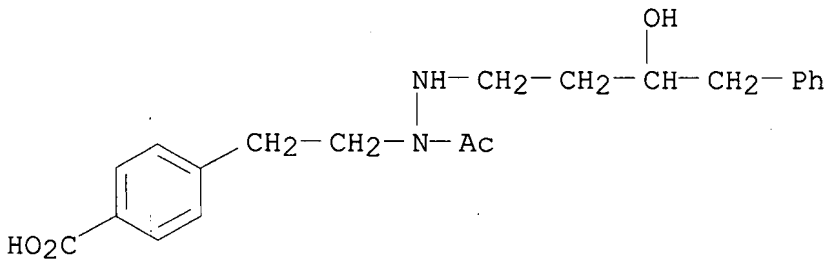
(9CI) (CA INDEX NAME)



RN 841234-55-7 CAPLUS
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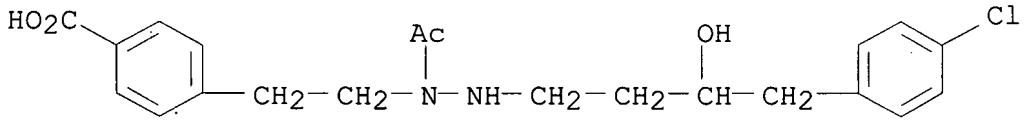

RN 841234-56-8 CAPLUS
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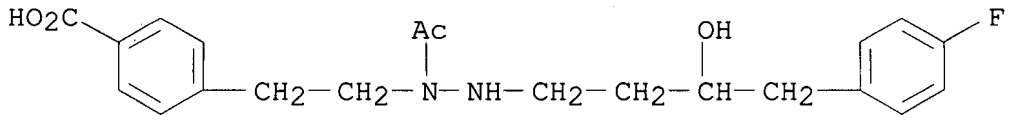
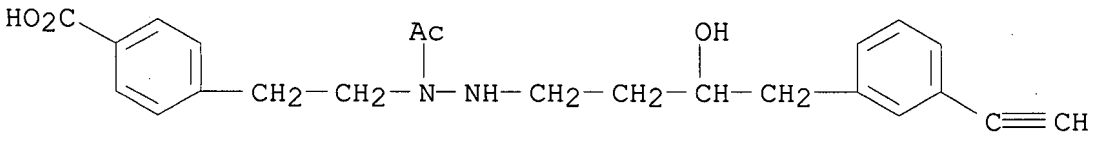
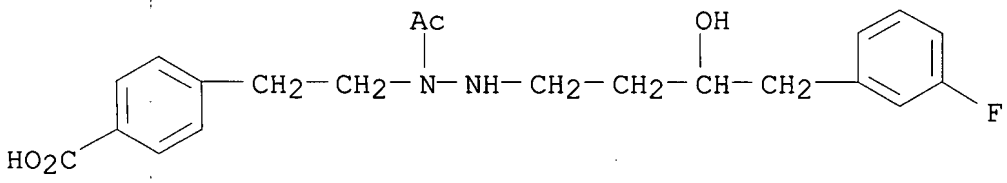
hydroxybutyl]hydrazino]ethyl]- (9CI) (CA INDEX NAME)



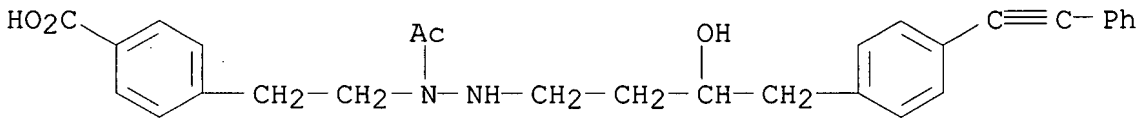
RN 841234-57-9 CAPLUS
CN Benzoic acid, 4-[2-[1-acetyl-2-[4-(3-ethynylphenyl)-3-
hydroxybutyl]hydrazino]ethyl]- (9CI) (CA INDEX NAME)



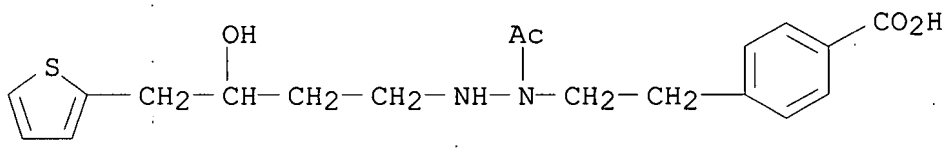
RN 841234-58-0 CAPLUS
CN Benzoic acid, 4-[2-[1-acetyl-2-[4-(3-fluorophenyl)-3-hydroxybutyl]hydrazino]ethyl]- (9CI) (CA INDEX NAME)



RN 841234-59-1 CAPLUS
CN Benzoic acid, 4-[2-[1-acetyl-2-[3-hydroxy-4-[4-(phenylethynyl)phenyl]butyl]hydrazino]ethyl]- (9CI) (CA INDEX NAME)

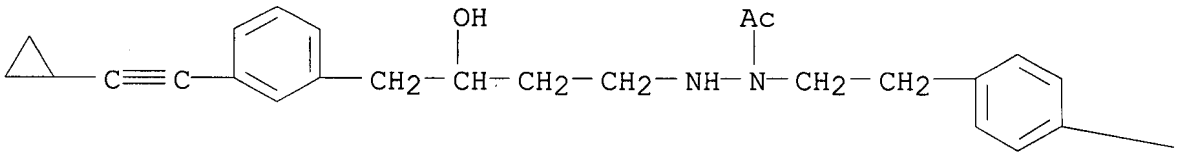


RN 841234-60-4 CAPLUS
CN Benzoic acid, 4-[2-[1-acetyl-2-[3-hydroxy-4-(2-thienyl)butyl]hydrazino]ethyl]- (9CI) (CA INDEX NAME)

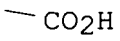


RN 841234-61-5 CAPLUS
CN Benzoic acid, 4-[2-[1-acetyl-2-[4-[3-(cyclopropylethynyl)phenyl]-3-hydroxybutyl]hydrazino]ethyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

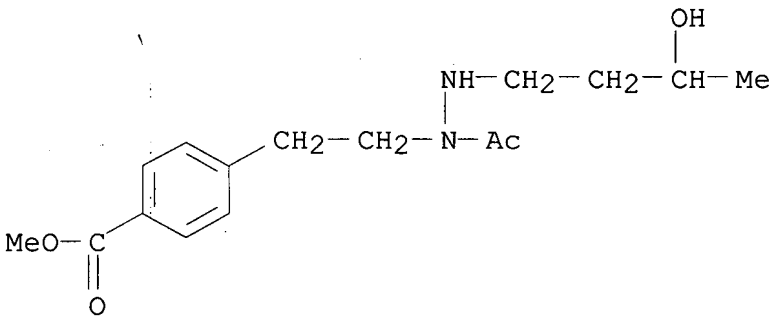


PAGE 1-B

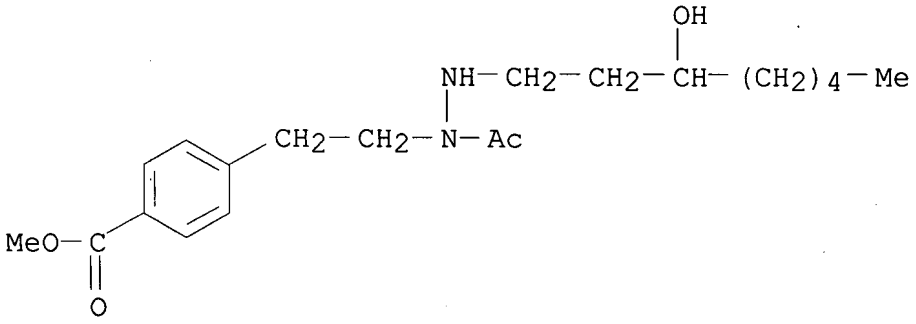


IT 841234-65-9P 841234-67-1P 841234-71-7P
841234-76-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation of benzoic acid derivs. having hydrazide moiety as prostaglandin receptors modulators for treatment of asthma, hypertension, etc.)

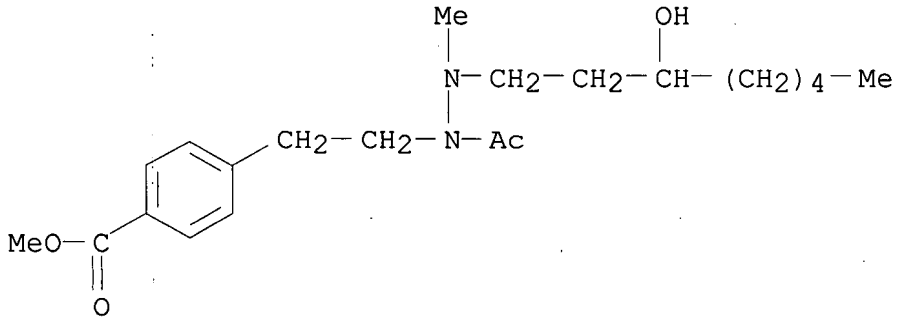
RN 841234-65-9 CAPLUS
CN Benzoic acid, 4-[2-[1-acetyl-2-(3-hydroxybutyl)hydrazino]ethyl]-, methyl
ester (9CI) (CA INDEX NAME)



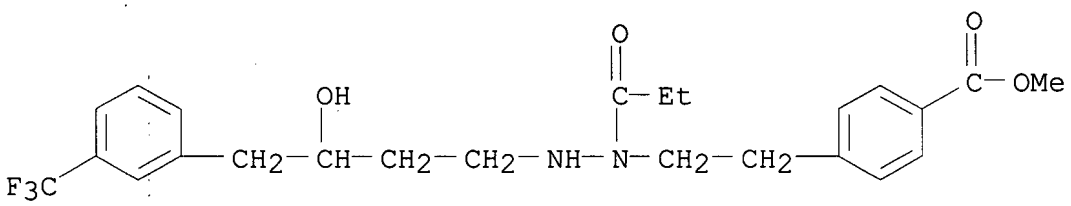
RN 841234-67-1 CAPLUS
CN Benzoic acid, 4-[2-[1-acetyl-2-(3-hydroxyoctyl)hydrazino]ethyl]-, methyl
ester (9CI) (CA INDEX NAME)



RN 841234-71-7 CAPLUS
CN Benzoic acid,
4-[2-[1-acetyl-2-(3-hydroxyoctyl)-2-methylhydrazino]ethyl]-,
methyl ester (9CI) (CA INDEX NAME)



RN 841234-76-2 CAPLUS
CN Benzoic acid,
4-[2-[2-[3-hydroxy-4-[3-(trifluoromethyl)phenyl]butyl]-1-(1-
oxopropyl)hydrazino]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

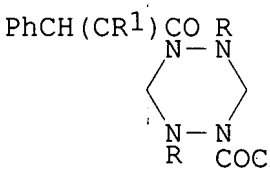


IC ICM C07C243-00
CC 25-17 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 1, 63
IT 841234-41-1P 841234-42-2P 841234-43-3P
841234-44-4P 841234-45-5P 841234-46-6P
841234-47-7P 841234-49-9P 841234-50-2P
841234-51-3P 841234-52-4P 841234-53-5P
841234-54-6P 841234-55-7P 841234-56-8P

841234-57-9P 841234-58-0P 841234-59-1P
841234-60-4P 841234-61-5P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of benzoic acid derivs. having hydrazide moiety as prostaglandin receptors modulators for treatment of asthma, hypertension, etc.)

IT 136333-97-6P 346672-98-8P 518345-38-5P 841234-62-6P 841234-63-7P
841234-64-8P 841234-65-9P 841234-66-0P 841234-67-1P
841234-68-2P 841234-69-3P 841234-70-6P 841234-71-7P
841234-72-8P 841234-73-9P 841234-74-0P 841234-75-1P
841234-76-2P 841234-77-3P 841234-78-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation of benzoic acid derivs. having hydrazide moiety as prostaglandin receptors modulators for treatment of asthma, hypertension, etc.)

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1979:474573 CAPLUS
DOCUMENT NUMBER: 91:74573
TITLE: Studies on the syntheses of heterocyclic compounds. 776. Cyclization of N-substituted mandelohydrazide with formaldehyde
AUTHOR(S): Kametani, Tetsuji; Kigasawa, Kazuo; Hiiragi, Mineharu; Wagatsuma, Nagatoshi; Kohagizawa, Toshitaka; Inoue, Hitoshi
CORPORATE SOURCE: Pharm. Inst., Tohoku Univ., Sendai, Japan
SOURCE: Yakugaku Zasshi (1979), 99(2), 135-40
CODEN: YKKZAJ; ISSN: 0031-6903
DOCUMENT TYPE: Journal
LANGUAGE: Japanese
GI



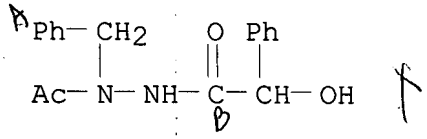
I, R^1=H
III, R^1=Ac

AB Acid-catalyzed cyclization of N-substituted mandelohydrazides PhCH(OH)CONHNHR (R = Me, cyclopropylmethyl, PhCH2, PhCH2CH2) with paraformaldehyde gave hexahydro-1,2,4,5-tetrazine derivs. I. However, PhCH(OH)CONHNAcCH2Ph (II), when similarly treated, gave

cyclization-rearrangement product III. The Ac on the N in II rearranged to alc. O during the cyclization.

IT 68164-66-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and rearrangement of)

RN 68164-66-9 CAPLUS
CN Benzeneacetic acid, α-hydroxy-, 2-acetyl-2-(phenylmethyl)hydrazide (9CI) (CA INDEX NAME)

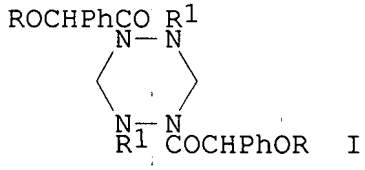


CC 28-22 (Heterocyclic Compounds (More Than One Hetero Atom))

IT 68164-66-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and rearrangement of)

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1978:597482 CAPLUS
DOCUMENT NUMBER: 89:197482
TITLE: Cyclization reaction of N-substituted mandelhydrazide with formaldehyde
AUTHOR(S): Kametani, Tetsuji; Kigasawa, Kazuo; Hiiragi, Mineharu; Wagatsuma, Nagatoshi; Kohagizawa, Toshitaka; Inoue, Hitoshi
CORPORATE SOURCE: Pharm. Inst., Tohoku Univ., Sendai, Japan
SOURCE: Heterocycles (1978), 9(8), 1031-40
CODEN: HTCYAM; ISSN: 0385-5414
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 89:197482
GI



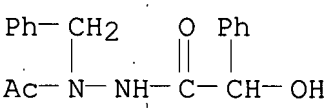
I

AB Tetrazines I (R = H, R1 = Me, cyclopropylmethyl, CH2Ph, CH2CH2Ph; R = Ac, R1 = CH2Ph) were prepared by cyclocondensation of HOCHPhCONHNHR1 (II) or HOCHPhCONHNAcCH2Ph (III) with CH2O in the presence of acid. II were prepared by treating HOCHPhCO2Me with R1NHNH2. III was prepared by acetylating II (R1 = CH2Ph) and partial hydrolysis of AcOCHPhCONHNAcCH2Ph.

IT 68164-66-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization of, with formaldehyde)

RN 68164-66-9 CAPLUS

CN Benzeneacetic acid, α-hydroxy-, 2-acetyl-2-(phenylmethyl)hydrazide (9CI) (CA INDEX NAME)



CC 28-22 (Heterocyclic Compounds (More Than One Hetero Atom))

IT 68164-61-4P 68164-62-5P 68164-63-6P 68164-64-7P 68164-66-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization of, with formaldehyde)

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	22.91	195.22

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.12	-3.12

STN INTERNATIONAL LOGOFF AT 13:03:18 ON 09 NOV 2007